

Notice of Allowability

Application No.

08/973,017

Examiner

Burton S. Mullins

Applicant(s)

LEIJON ET AL.

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed February 02, 2004.
2. ☒ The allowed claim(s) is/are 1-4, 6-8, 10, 12-26, 28-35, 39, 40 and 43-51.
3. ☒ The drawings filed on 02 February 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Burton S. Mullins
Primary Examiner
Art Unit: 2834

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John DeLuca on May 27th, 2004.

The application has been amended as follows:

In the claims:

Claim 1, line 2, insert --flexible-- between "one" and "winding".

Claim 28, line 1, replace "27" with --1--.

Claim 35, lines 1-3, delete the entire phrase "comprising at least one rotating machine...and electrical properties, permits" and replace with ---of claim 1, wherein the insulation system has thermal and electrical properties, which permit---. Also, on line 3, delete the space in "t he".

Cancel claim 37.

Claim 39, line 2, insert ---flexible--- between "a" and "winding".

Claim 51, line 2, insert ---flexible--- between "one" and "winding". On line 2, insert ---current carrying-- before "conductor". On line 5, delete the period at the end of the claim and insert ---, wherein the current carrying conductor comprises a plurality of insulated conductive strands, and at least one uninsulated conductive strand.---

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2. The following is an examiner's statement of reasons for allowance: Applicant incorporates indicated allowable subject matter of a flexible winding comprising a current carrying conductor with a plurality of insulated conductive strands and at least one uninsulated conductive strand to claims 1, 37 and 51. Claims 39-40 and 43-50 were previously allowed. See the preceding office action, paragraphs 12-13.

Regarding the examiner's amendment, support for the addition of "flexible" is on p.9, lines 28-35 of the specification where PEX, XLPE and EP cable insulation is described. These polyethylene or propylene rubber cables are inherently flexible.

The support for the conductor strand details in the examiner's amendment is in original claim 9.

Of the prior art, Schuler (US '476) teaches a bar-winding for electrical machines composed of twisted, insulated conductors 1 and uninsulated hollow conductors 2 (c.3, lines 55-56; Fig.1). However, Schuler's bar-winding is not flexible, since during manufacture a strip of mica-resin putty 4 is placed along the bar in a partially-hardened condition (B-condition) and then pressed for several minutes at 180 degrees C and then allowed to harden (c.4, lines 28-36). Therefore, the prior art does not teach the claimed flexible winding.


3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance." Any inquiry concerning this communication or earlier communications from the examiner should be directed to Burton S. Mullins whose telephone number is 571-272-2029.

The examiner can normally be reached on Monday-Friday, 9 am to 5 pm. If attempts to reach

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the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 571-272-2034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Burton S. Mullins
Primary Examiner
Art Unit 2834

bsm

May 27, 2004